

PROBLEM STATEMENT: DIGITAL OUTPASS SYSTEM

Ex N0 : 1

Date:

Brief description of the problem

The Digital Outpass System aims to automate the request, generation, and authentication of hostel outpasses. It is a web application and can be accessed by different users, such as students and wardens, via separate interfaces. This system also enables the monitoring of requests for the hostel bus service.

Features:

- Student users can place requests for outpasses
- Student users can review the status of their requests
- Wardens or other members of the administration can approve/reject outpass requests
- Wardens can view all outpass requests sorted according to the type
- Members of the administration can authenticate the outpasses thus verifying their validity
- Faculty in charge of transport can obtain a good estimate of the demand and usage of the bus services

The system streamlines the outpass management process, thus reducing administrative workload and saving time. The system can also enhance the accuracy of tracking individuals who leave and enter the controlled environment, which can help in case of emergencies, such as security breaches.